

## EAST Search History

Ref #	Hits	Search Query	DBs	Default Operator	Plurals	Time Stamp
S1	416	(determin\$3 or monitor\$3 or sens\$3 or detect\$3 or indicat\$3 or identif\$4) with (state or status or condition) with turbine with blade	US-PGPUB; USPAT; EPO; JPO; DERWENT; IBM_TDB	OR	ON	2008/04/24 13:32
S2	4	(determin\$3 or monitor\$3 or sens\$3 or detect\$3 or indicat\$3 or identif\$4) with (state or status or condition) with turbine with blade and (estimat\$3 or evaluat\$3 or validat\$3) with lifetime with blade	US-PGPUB; USPAT; EPO; JPO; DERWENT; IBM_TDB	OR	ON	2008/04/24 13:33
S3	1	(determin\$3 or monitor\$3 or sens\$3 or detect\$3 or indicat\$3 or identif\$4) with (malfunctional or stall or problem or fault or defect or fail\$3 or anomaly or abnormal) with compressor with turbine with blade and (estimat\$3 or evaluat\$3 or validat\$3) with lifetime with blade	US-PGPUB; USPAT; EPO; JPO; DERWENT; IBM_TDB	OR	ON	2008/04/24 13:41

S4	1	(determin\$3 or monitor\$3 or sens\$3 or detect\$3 or indicat\$3 or identif\$4) with (malfunctional or stall or problem or fault or defect or fail\$3 or anomaly or abnormal) with compressor with blade and (estimat\$3 or evaluat\$3 or validat\$3) with lifetime with blade	US-PGPUB; USPAT; EPO; JPO; DERWENT; IBM_TDB	OR	ON	2008/04/24 13:42
S5	1	(determin\$3 or monitor\$3 or sens\$3 or detect\$3 or indicat\$3 or identif\$4) with (malfunctional or stall or problem or fault or defect or fail\$3 or anomaly or abnormal) with compressor with blade and (estimat\$3 or evaluat\$3 or validat\$3 or predict\$4) with lifetime with blade	US-PGPUB; USPAT; EPO; JPO; DERWENT; IBM_TDB	OR	ON	2008/04/24 13:42
S6	1	(determin\$3 or monitor\$3 or sens\$3 or detect\$3 or indicat\$3 or identif\$4) with (malfunctional or stall or problem or fault or defect or fail\$3 or anomaly or abnormal) with compressor with blade and (estimat\$3 or evaluat\$3 or validat\$3 or predict\$4) with (life-time or life adj time or lifetime) with blade	US-PGPUB; USPAT; EPO; JPO; DERWENT; IBM_TDB	OR	ON	2008/04/24 13:43

S7	4	(determin\$3 or monitor\$3 or sens\$3 or detect\$3 or indicat\$3 or identif\$4) with (malfunctional or stall or problem or fault or defect or fail\$3 or anomaly or abnormal) with blade and (estimat\$3 or evaluat\$3 or validat\$3 or predict\$4) with (life-time or life adj time or lifetime) with blade	US-PGPUB; USPAT; EPO; JPO; DERWENT; IBM_TDB	OR	ON	2008/04/24 13:43
S8	1	(determin\$3 or monitor\$3 or sens\$3 or detect\$3 or indicat\$3 or identif\$4) with (malfunctional or stall or problem or fault or defect or fail\$3 or anomaly or abnormal) with blade and (estimat\$3 or evaluat\$3 or validat\$3 or predict\$4) with (life-time or life adj time or lifetime) with blade and compressor	US-PGPUB; USPAT; EPO; JPO; DERWENT; IBM_TDB	OR	ON	2008/04/24 13:43
S9	4	(determin\$3 or monitor\$3 or sens\$3 or detect\$3 or indicat\$3 or identif\$4) with (malfunctional or stall or problem or fault or defect or fail\$3 or anomaly or abnormal) with blade and (estimat\$3 or evaluat\$3 or validat\$3 or predict\$4) with (life-time or life adj time or lifetime) with blade	US-PGPUB; USPAT; EPO; JPO; DERWENT; IBM_TDB	OR	ON	2008/04/24 13:44

S10	14	(malfunctional or stall or problem or fault or defect or fail \$3 or anomaly or abnormal) with blade and (estimat \$3 or evaluat\$3 or validat\$3 or predict \$4) with (life-time or life adj time or lifetime) with blade	US-PGPUB; USPAT; EPO; JPO; DERWENT; IBM_TDB	OR	ON	2008/04/24 13:46
S11	2	(malfunctional or stall or problem or fault or defect or fail \$3 or anomaly or abnormal) with blade and (estimat \$3 or evaluat\$3 or validat\$3 or predict \$4) with (life-time or life adj time or lifetime) with blade and (vibrat\$4 or rotat\$4 or resona\$5) with sensor	US-PGPUB; USPAT; EPO; JPO; DERWENT; IBM_TDB	OR	ON	2008/04/24 13:46
S12	7682	compressor with blade with turbine	US-PGPUB; USPAT; EPO; JPO; DERWENT; IBM_TDB	OR	ON	2008/04/24 14:24
S13	1	(malfunctional or stall or problem or fault or defect or fail \$3 or anomaly or abnormal) with compressor with turbine with blade and (estimat\$3 or evaluat\$3 or validat \$3 or predict\$4) with (life-time or life adj time or lifetime) with blade	US-PGPUB; USPAT; EPO; JPO; DERWENT; IBM_TDB	OR	ON	2008/04/24 14:24

S14	1	(malfunctional or stall or problem or fault or defect or fail \$3 or anomaly or abnormal or error or deteriorat\$3) with compressor with turbine with blade and (estimat\$3 or evaluat\$3 or validat\$3 or predict\$4) with (life-time or life adj time or lifetime) with blade	US-PGPUB; USPAT; EPO; JPO; DERWENT; IBM_TDB	OR	ON	2008/04/24 14:27
S15	1	(malfunctional or stall or problem or fault or defect or fail \$3 or anomaly or abnormal or error or deteriorat\$3) with turbine with blade same compress\$3 and (estimat\$3 or evaluat\$3 or validat\$3 or predict\$4) with (life-time or life adj time or lifetime) with blade	US-PGPUB; USPAT; EPO; JPO; DERWENT; IBM_TDB	OR	ON	2008/04/24 14:27
S17	2	(malfunctional or stall or problem or fault or defect or fail \$3 or anomaly or abnormal or error or deteriorat\$3) with turbine with compressor and (estimat\$3 or evaluat\$3 or validat\$3 or predict\$4) with (life-time or life adj time or lifetime) and blade	US-PGPUB; USPAT; EPO; JPO; DERWENT; IBM_TDB	OR	ON	2008/04/24 14:28

S18	2	(malfunctional or stall or problem or fault or defect or fail \$3 or anomaly or abnormal or error or deteriorat\$3) with turbine with compressor and (estimat\$3 or evaluat \$3 or validat\$3 or predict\$4 or forecast) with (life-time or life adj time or lifetime) and blade	US-PGPUB; USPAT; EPO; JPO; DERWENT; IBM_TDB	OR	ON	2008/04/24 14:30
S19	14	(malfunctional or stall or problem or fault or defect or fail \$3 or anomaly or abnormal or error or deteriorat\$3) with turbine and compressor and (estimat\$3 or evaluat \$3 or validat\$3 or predict\$4 or forecast) with (life-time or life adj time or lifetime) and blade	US-PGPUB; USPAT; EPO; JPO; DERWENT; IBM_TDB	OR	ON	2008/04/24 14:37
S20	2	("7065471").PN.	US-PGPUB; USPAT; EPO; JPO; DERWENT; IBM_TDB	OR	OFF	2008/04/24 14:44
S21	1	(malfunctional or stall or problem or fault or defect or fail \$3 or anomaly or abnormal or error or deteriorat\$3) with turbine with blade same compress\$3 and (estimat\$3 or evaluat\$3 or validat \$3 or predict\$4) with (life-time or life adj time or lifetime)	US-PGPUB; USPAT; EPO; JPO; DERWENT; IBM_TDB	OR	ON	2008/04/24 15:10

S22	4	("4955269"   "5097711"   "5736643"   "6601005").PN.	US-PGPUB; USPAT	OR	ON	2008/04/24 15:18
S23	426	702/34.ccls.	US-PGPUB; USPAT; EPO; JPO; DERWENT; IBM_TDB	OR	OFF	2008/04/24 15:32
S24	245	702/42.ccls.	US-PGPUB; USPAT; EPO; JPO; DERWENT; IBM_TDB	OR	OFF	2008/04/24 15:48
S25	358	70/52.ccls.	US-PGPUB; USPAT; EPO; JPO; DERWENT; IBM_TDB	OR	OFF	2008/04/24 15:48
S26	44	70/76.ccls.	US-PGPUB; USPAT; EPO; JPO; DERWENT; IBM_TDB	OR	OFF	2008/04/24 15:49
S27	93	70/104.ccls.	US-PGPUB; USPAT; EPO; JPO; DERWENT; IBM_TDB	OR	OFF	2008/04/24 15:49
S28	124	70/183.ccls.	US-PGPUB; USPAT; EPO; JPO; DERWENT; IBM_TDB	OR	OFF	2008/04/24 15:49
S29	43	70/184.ccls.	US-PGPUB; USPAT; EPO; JPO; DERWENT; IBM_TDB	OR	OFF	2008/04/24 15:50
S30	2418	73/116.ccls.	US-PGPUB; USPAT; EPO; JPO; DERWENT; IBM_TDB	OR	ON	2008/04/24 15:50
S31	210	73/577.ccls.	US-PGPUB; USPAT; EPO; JPO; DERWENT; IBM_TDB	OR	ON	2008/04/24 15:50

S32	1884	73/579.ccls.	US-PGPUB; USPAT; EPO; JPO; DERWENT; IBM_TDB	OR	ON	2008/04/24 15:52
S33	87	73/582.ccls.	US-PGPUB; USPAT; EPO; JPO; DERWENT; IBM_TDB	OR	ON	2008/04/24 15:52
S34	68	73/630.ccls.	US-PGPUB; USPAT; EPO; JPO; DERWENT; IBM_TDB	OR	ON	2008/04/24 15:52
S35	828	73/649.ccls.	US-PGPUB; USPAT; EPO; JPO; DERWENT; IBM_TDB	OR	ON	2008/04/24 15:53
S36	778	73/660.ccls.	US-PGPUB; USPAT; EPO; JPO; DERWENT; IBM_TDB	OR	ON	2008/04/24 15:53
S37	350	700/287.ccls.	US-PGPUB; USPAT; EPO; JPO; DERWENT; IBM_TDB	OR	ON	2008/04/24 15:53
S38	3	(malfunctional or stall or problem or fault or defect or fail \$3 or anomaly or abnormal or error or deteriorat\$3) with turbine and compressor and (estimat\$3 or evaluat \$3 or validat\$3 or predict\$4 or forecast) with (life- time or life adj time or lifetime) and blade and filter\$3	US-PGPUB; USPAT; EPO; JPO; DERWENT; IBM_TDB	OR	ON	2008/04/24 15:57



S39	2	(malfunctional or stall or problem or fault or defect or fail \$3 or anomaly or abnormal or error or deteriorat\$3) with turbine and compressor and (estimat\$3 or evaluat \$3 or validat\$3 or predict\$4 or forecast) with (life-time or life adj time or lifetime) and blade and filter\$3 with measur\$6	US-PGPUB; USPAT; EPO; JPO; DERWENT; IBM_TDB	OR	ON	2008/04/24 17:02
S40	2	(malfunctional or stall or problem or fault or defect or fail \$3 or anomaly or abnormal or error or deteriorat\$3) with turbine and compressor and (estimat\$3 or evaluat \$3 or validat\$3 or predict\$4 or forecast) with (life-time or life adj time or lifetime) and blade and (FFT or smooth\$3 or filter \$3) with measur\$6	US-PGPUB; USPAT; EPO; JPO; DERWENT; IBM_TDB	OR	ON	2008/04/24 17:03
S41	2	(malfunctional or stall or problem or fault or defect or fail \$3 or anomaly or abnormal or error or deteriorat\$3) with turbine and compressor and (estimat\$3 or evaluat \$3 or validat\$3 or predict\$4 or forecast) same (life-time or life adj time or lifetime) and blade and (FFT or smooth\$3 or filter \$3) with measur\$6	US-PGPUB; USPAT; EPO; JPO; DERWENT; IBM_TDB	OR	ON	2008/04/24 17:04

S42	3	(malfunctional or stall or problem or fault or defect or fail \$3 or anomaly or abnormal or error or deteriorat\$3) with turbine and compressor and (estimat\$3 or evaluat\$3 or validat\$3 or predict\$4 or forecast) same (life-time or life adj time or lifetime) and blade and (FFT or smooth\$3 or filter \$3)	US-PGPUB; USPAT; EPO; JPO; DERWENT; IBM_TDB	OR	ON	2008/04/24 17:04
S43	665	706/47.ccls.	US-PGPUB; USPAT; EPO; JPO; DERWENT; IBM_TDB	OR	ON	2008/04/24 17:30
S44	183	706/59.ccls.	US-PGPUB; USPAT; EPO; JPO; DERWENT; IBM_TDB	OR	ON	2008/04/24 17:30
S45	130	706/61.ccls.	US-PGPUB; USPAT; EPO; JPO; DERWENT; IBM_TDB	OR	ON	2008/04/24 17:30
S46	8226	compressor with turbine with blade	US-PGPUB; USPAT; EPO; JPO; DERWENT; IBM_TDB	OR	ON	2009/01/01 10:59
S47	1	compressor with turbine with blade with cas\$3 with house	US-PGPUB; USPAT; EPO; JPO; DERWENT; IBM_TDB	OR	ON	2009/01/01 11:03
S48	1	compressor with turbine with blade with cas\$3 with house and vibrat\$4	US-PGPUB; USPAT; EPO; JPO; DERWENT; IBM_TDB	OR	ON	2009/01/01 11:05

S49	0	compressor with turbine with blade with cas\$3 with house and vibrat\$4 with rotat\$4	US-PGPUB; USPAT; EPO; JPO; DERWENT; IBM_TDB	OR	ON	2009/01/01 11:05
S50	1	compressor with turbine with blade with cas\$3 with house and vibrat\$4 and rotat\$4	US-PGPUB; USPAT; EPO; JPO; DERWENT; IBM_TDB	OR	ON	2009/01/01 11:05
S51	1	compressor with turbine with blade with cas\$3 with house and vibrat\$4 and rotat\$4 and frequency	US-PGPUB; USPAT; EPO; JPO; DERWENT; IBM_TDB	OR	ON	2009/01/01 11:05
S52	0	compressor with turbine with blade with cas\$3 with house and vibrat\$4 and rotat\$4 and frequency and (estimat\$4 or predict \$4 or evaluat\$3 or validat\$3 or forecast \$3) with lifetime	US-PGPUB; USPAT; EPO; JPO; DERWENT; IBM_TDB	OR	ON	2009/01/01 11:07
S53	3	compressor with turbine with blade with cas\$3 and vibrat \$4 and rotat\$4 and frequency and (estimat\$4 or predict \$4 or evaluat\$3 or validat\$3 or forecast \$3) with lifetime	US-PGPUB; USPAT; EPO; JPO; DERWENT; IBM_TDB	OR	ON	2009/01/01 11:08
S54	1	compressor and turbine with blade with (hous\$3 or cas \$3) and vibrat\$4 and rotat\$4 and frequency and (estimat\$4 or predict \$4 or evaluat\$3 or validat\$3 or forecast \$3) with lifetime and (compar\$4 or differen\$2) with (known or predetermined or predefined or pre-set \$4 or preset\$4 or	US-PGPUB; USPAT; EPO; JPO; DERWENT; IBM_TDB	OR	ON	2009/01/01 11:15

		reference\$1 or threshold or expected or limit\$3 or desired)				
S55	2	compressor and turbine with blade with (hous\$3 or cas \$3) and vibrat\$4 and rotat\$4 and frequency and (estimat\$4 or predict \$4 or evaluat\$3 or validat\$3 or forecast \$3) with lifetime and (compar\$4 or differen\$2 or exceed or outside) with (known or predetermined or predefined or pre-set \$4 or preset\$4 or reference\$1 or threshold or expected or limit\$3 or desired)	US-PGPUB; USPAT; EPO; JPO; DERWENT; IBM_TDB	OR	ON	2009/01/01 11:16
S56	0	compressor and turbine with blade with (hous\$3 or cas \$3) and vibrat\$4 and rotat\$4 and frequency and (estimat\$4 or predict \$4 or evaluat\$3 or validat\$3 or forecast \$3) with lifetime and (compar\$4 or differen\$2 or exceed or outside) with (known or predetermined or predefined or pre-set \$4 or preset\$4 or reference\$1 or threshold or expected or limit\$3 or desired) and (factor\$3 or coefficient)	US-PGPUB; USPAT; EPO; JPO; DERWENT; IBM_TDB	OR	ON	2009/01/01 11:18

S57	0	compressor and turbine with blade same (housing or casing) and vibration and rotational frequency and (estimate or predict) or evaluate or validate or forecast) with lifetime and (compare or difference or exceed or outside) with (known or predetermined or predefined or pre-set) or preset or reference or threshold or expected or limit or desired) and (factor or coefficient)	US-PGPUB; USPAT; EPO; JPO; DERWENT; IBM_TDB	OR	ON	2009/01/01 11:19
S58	0	compressor and turbine with blade same (housing or casing) and vibration and rotational frequency and (estimate or predict) or evaluate or validate or forecast) with lifetime and (compare or difference or exceed or outside) with (known or predetermined or predefined or pre-set) or preset or reference or threshold or expected or limit or desired) and (adjust or correct) or calibrate or compensate or modify) with (status or condition or state)	US-PGPUB; USPAT; EPO; JPO; DERWENT; IBM_TDB	OR	ON	2009/01/01 11:21

S59	0	compressor and turbine with blade and (housing or casing) and vibration and rotation and frequency and (estimate or predict) or evaluation or validation or forecast) with lifetime and (comparison or difference or exceed or outside) with (known or predetermined or predefined or pre-set) or preset or reference or threshold or expected or limit or desired) and (adjust or correct) or calibration or compensation or modification) with (status or condition or state)	US-PGPUB; USPAT; EPO; JPO; DERWENT; IBM_TDB	OR	ON	2009/01/01 11:22
S60	0	compressor and turbine with blade and (housing or casing) and vibration and rotation and frequency and (estimate or predict) or evaluation or validation or forecast) with lifetime and (comparison or difference or exceed or outside) with (known or predetermined or predefined or pre-set) or preset or reference or threshold or expected or limit or desired or upper or lower or maximum or minimum) and (adjust or correct) or calibration or	US-PGPUB; USPAT; EPO; JPO; DERWENT; IBM_TDB	OR	ON	2009/01/01 11:22

		compensat\$3 or modif\$3) with (status or condiction or state)				
S61	2	turbine with blade and (hous\$3 or cas \$3) and vibrat\$4 and rotat\$4 and frequency and (estimat\$4 or predict \$4 or evaluat\$3 or validat\$3 or forecast \$3) with lifetime and (compar\$4 or differen\$2 or exceed or outside) with (known or predetermined or predefined or pre-set \$4 or preset\$4 or reference\$1 or threshold or expected or limit\$3 or desired or upper or lower or maximum or minimum) and (adjust\$5 or correct \$4 or calibrat\$3 or compensat\$3 or modif\$3) with (status or condiction or state)	US-PGPUB; USPAT; EPO; JPO; DERWENT; IBM_TDB	OR	ON	2009/01/01 11:23
S62	2	turbine with blade and vibrat\$4 and rotat\$4 and frequency and (estimat\$4 or predict \$4 or evaluat\$3 or validat\$3 or forecast \$3) with lifetime and (compar\$4 or differen\$2 or exceed or outside) with (known or predetermined or predefined or pre-set \$4 or preset\$4 or reference\$1 or threshold or expected or limit\$3 or desired or upper	US-PGPUB; USPAT; EPO; JPO; DERWENT; IBM_TDB	OR	ON	2009/01/01 11:24

		or lower or maximum or minimum) and (adjust\$5 or correct \$4 or calibrat\$3 or compensat\$3 or modif\$3) with (status or condiction or state)				
S63	3	turbine with blade and (hous\$3 or cas \$3) and vibrat\$4 and (stall or rotat\$4) and frequency and (estimat\$4 or predict \$4 or evaluat\$3 or validat\$3 or forecast \$3) with lifetime and (compar\$4 or differen\$2 or exceed or outside) with (known or predetermined or predefined or pre-set \$4 or preset\$4 or reference\$1 or threshold or expected or limit\$3 or desired or upper or lower or maximum or minimum) and (adjust\$5 or correct \$4 or calibrat\$3 or compensat\$3 or modif\$3) with (status or condiction or state)	US-PGPUB; USPAT; EPO; JPO; DERWENT; IBM_TDB	OR	ON	2009/01/01 11:24
S64	0	compressor and turbine with blade and (hous\$3 or cas \$3) and vibrat\$4 and rotat\$4 and frequency and (estimat\$4 or predict \$4 or evaluat\$3 or validat\$3 or forecast \$3) with (remain\$3 with time or lifetime) and (compar\$4 or differen\$2 or exceed	US-PGPUB; USPAT; EPO; JPO; DERWENT; IBM_TDB	OR	ON	2009/01/01 11:27



		or outside) with (known or predetermined or predefined or pre-set \$4 or preset\$4 or reference\$1 or threshold or expected or limit\$3 or desired or upper or lower or maximum or minimum) and (adjust\$5 or correct \$4 or calibrat\$3 or compensat\$3 or modif\$3) with (status or condiction or state)				
S65	1	compressor and turbine with blade with (hous\$3 or cas \$3) and vibrat\$4 and rotat\$4 and frequency and (compar\$4 or differen\$2 or exceed or outside) with (known or predetermined or predefined or pre-set \$4 or preset\$4 or reference\$1 or threshold or expected or limit\$3 or desired or upper or lower or maximum or minimum) and (adjust\$5 or correct \$4 or calibrat\$3 or compensat\$3 or modif\$3) with (status or condiction or state) with rotat \$4	US-PGPUB; USPAT; EPO; JPO; DERWENT; IBM_TDB	OR	ON	2009/01/01 11:29

S66	0	compressor and turbine with blade with (housing or casing) and vibration and rotation and frequency and determination with (condition or state or status) with (known or predetermined or predefined or pre-set) or preset or reference or threshold or expected or limit or desired or upper or lower or maximum or minimum) and (adjust or correct) or calibration or compensation or modification) with (status or condition or state) with rotation	US-PGPUB; USPAT; EPO; JPO; DERWENT; IBM_TDB	OR	ON	2009/01/01 11:32
S67	0	compressor and turbine with blade with (housing or casing) and vibration and rotation and frequency and (condition or state or status) with (known or predetermined or predefined or pre-set) or preset or reference or threshold or expected or limit or desired or upper or lower or maximum or minimum) and (adjust or correct) or calibration or compensation or modification) with (status or condition or state) with rotation	US-PGPUB; USPAT; EPO; JPO; DERWENT; IBM_TDB	OR	ON	2009/01/01 11:32

S68	0	compressor and turbine with blade with (hous\$3 or cas\$3) and vibrat\$4 and rotat\$4 and frequency and normal with (identif\$3 or determin\$3 or sens\$3 or detect\$3 or indicat\$3) with normal with (operat\$3 or perform\$3) with (condition or state or status) with (known or predetermined or predefined or pre-set\$4 or preset\$4 or reference\$1 or threshold or expected or limit\$3 or desired or upper or lower or maximum or minimum) and (adjust\$5 or correct\$4 or calibrat\$3 or compensat\$3 or modif\$3) with (status or condiction or state) with rotat\$4	US-PGPUB; USPAT; EPO; JPO; DERWENT; IBM_TDB	OR	ON	2009/01/01 11:34
S69	0	compressor and turbine with blade with (hous\$3 or cas\$3) and vibrat\$4 and rotat\$4 and frequency and (identif\$3 or determin\$3 or sens\$3 or detect\$3 or indicat\$3) with normal with (operat\$3 or perform\$3) with (condition or state or status) with (known or predetermined or predefined or pre-set\$4 or preset\$4 or reference\$1 or threshold or	US-PGPUB; USPAT; EPO; JPO; DERWENT; IBM_TDB	OR	ON	2009/01/01 11:35

		expected or limit\$3 or desired or upper or lower or maximum or minimum) and (adjust\$5 or correct \$4 or calibrat\$3 or compensat\$3 or modif\$3) with (status or condiction or state) with rotat \$4				
S70	0	compressor and turbine with blade with (hous\$3 or cas \$3) and vibrat\$4 and rotat\$4 and frequency and (identif\$3 or determin\$3 or sens \$3 or detect\$3 or indicat\$3) with normal with (operat \$3 or perform\$3) with (condition or state or status) with (known or predetermined or predefined or pre-set \$4 or preset\$4 or reference\$1 or threshold or expected or limit\$3 or desired or upper or lower or maximum or minimum) and (adjust\$5 or correct \$4 or calibrat\$3 or compensat\$3 or modif\$3) with (status or condiction or state)	US-PGPUB; USPAT; EPO; JPO; DERWENT; IBM_TDB	OR	ON	2009/01/01 11:35

S71	1	turbine with blade with (hous\$3 or cas\$3) and vibrat\$4 and rotat\$4 and frequency and (identif\$3 or determin\$3 or sens\$3 or detect\$3 or indicat\$3) with normal with (operat\$3 or perform\$3) with (condition or state or status) with (known or predetermined or predefined or pre-set\$4 or preset\$4 or reference\$1 or threshold or expected or limit\$3 or desired or upper or lower or maximum or minimum) and (adjust\$5 or correct\$4 or calibrat\$3 or compensat\$3 or modif\$3) with (status or condiction or state)	US-PGPUB; USPAT; EPO; JPO; DERWENT; IBM_TDB	OR	ON	2009/01/01 11:35
S72	1	turbine with blade same (hous\$3 or cas\$3) and vibrat\$4 and rotat\$4 and frequency and (identif\$3 or determin\$3 or sens\$3 or detect\$3 or indicat\$3) with normal with (operat\$3 or perform\$3) with (condition or state or status) with (known or predetermined or predefined or pre-set\$4 or preset\$4 or reference\$1 or threshold or expected or limit\$3 or desired or upper or lower or maximum or	US-PGPUB; USPAT; EPO; JPO; DERWENT; IBM_TDB	OR	ON	2009/01/01 11:35

		minimum) and (adjust\$5 or correct \$4 or calibrat\$3 or compensat\$3 or modif\$3) with (status or condiction or state)				
S73	1	turbine with blade and vibrat\$4 and rotat\$4 and frequency and (identif\$3 or determin\$3 or sens \$3 or detect\$3 or indicat\$3) with normal with (operat \$3 or perform\$3) with (condition or state or status) same (known or predetermined or predefined or pre-set \$4 or preset\$4 or reference\$1 or threshold or expected or limit\$3 or desired or upper or lower or maximum or minimum) and (adjust\$5 or correct \$4 or calibrat\$3 or compensat\$3 or modif\$3) with (status or condiction or state)	US-PGPUB; USPAT; EPO; JPO; DERWENT; IBM_TDB	OR	ON	2009/01/01 11:36
S74	46	turbine with blade and vibrat\$4 and rotat\$4 and frequency and (identif\$3 or determin\$3 or sens \$3 or detect\$3 or indicat\$3) with (operat\$3 or perform \$3) with (condition or state or status) same (known or predetermined or predefined or pre-set \$4 or preset\$4 or reference\$1 or	US-PGPUB; USPAT; EPO; JPO; DERWENT; IBM_TDB	OR	ON	2009/01/01 11:37

		threshold or expected or limit\$3 or desired or upper or lower or maximum or minimum) and (adjust\$5 or correct \$4 or calibrat\$3 or compensat\$3 or modif\$3) with (status or condiction or state)				
S75	29	compressor and turbine with blade and vibrat\$4 and rotat\$4 and frequency and (identif\$3 or determin\$3 or sens \$3 or detect\$3 or indicat\$3) with (operat\$3 or perform \$3) with (condition or state or status) same (known or predetermined or predefined or pre-set \$4 or preset\$4 or reference\$1 or threshold or expected or limit\$3 or desired or upper or lower or maximum or minimum) and (adjust\$5 or correct \$4 or calibrat\$3 or compensat\$3 or modif\$3) with (status or condiction or state)	US-PGPUB; USPAT; EPO; JPO; DERWENT; IBM_TDB	OR	ON	2009/01/01 11:37

S76	3	compressor and turbine with blade same (housing or casing) and vibration and rotation and frequency and (identification or determination or sensing or detection or indication) with (operation or performance) with (condition or state or status) same (known or predetermined or predefined or pre-set or preset or reference or threshold or expected or limit or desired or upper or lower or maximum or minimum) and (adjustment or correction or calibration or compensation or modification) with (status or condition or state)	US-PGPUB; USPAT; EPO; JPO; DERWENT; IBM_TDB	OR	ON	2009/01/01 11:37
S77	23	compressor and turbine with blade and vibration and rotation and frequency and (identification or determination or sensing or detection or indication) with (operation or performance) with (condition or state or status) with (known or predetermined or predefined or pre-set or preset or reference or threshold or expected or limit or desired or upper or lower or maximum or minimum) and	US-PGPUB; USPAT; EPO; JPO; DERWENT; IBM_TDB	OR	ON	2009/01/01 11:38



		(adjust\$5 or correct \$4 or calibrat\$3 or compensat\$3 or modif\$3) with (status or condiction or state)				
S78	1	compressor and turbine with blade and vibrat\$4 with (cas\$3 or hous\$3) and rotat\$4 and frequency and (identif\$3 or determin\$3 or sens \$3 or detect\$3 or indicat\$3) with (operat\$3 or perform \$3) with (condition or state or status) with (known or predetermined or predefined or pre-set \$4 or preset\$4 or reference\$1 or threshold or expected or limit\$3 or desired or upper or lower or maximum or minimum) and (adjust\$5 or correct \$4 or calibrat\$3 or compensat\$3 or modif\$3) with (status or condiction or state)	US-PGPUB; USPAT; EPO; JPO; DERWENT; IBM_TDB	OR	ON	2009/01/01 13:44
S79	0	compressor and turbine with blade and (oscillat\$4 or vibrat\$4 or reson\$6) with (casing or housing) and rotat \$4 and frequency and (identif\$3 or determin\$3 or sens \$3 or detect\$3 or indicat\$3) with (operat\$3 or perform \$3) with (condition or state or status) with (known or predetermined or	US-PGPUB; USPAT; EPO; JPO; DERWENT; IBM_TDB	OR	ON	2009/01/01 13:48

		predefined or pre-set \$4 or preset\$4 or reference\$1 or threshold or expected or limit\$3 or desired or upper or lower or maximum or minimum) and (adjust\$5 or correct \$4 or calibrat\$3 or compensat\$3 or modif\$3) with (status or condiction or state)				
S80	22	"5594665".uref.	US-PGPUB; USPAT; EPO; JPO; DERWENT; IBM_TDB	OR	ON	2009/01/01 13:49
S81	1	"5594665".uref. and vibrat\$4 with (housing or casing)	US-PGPUB; USPAT; EPO; JPO; DERWENT; IBM_TDB	OR	ON	2009/01/01 13:49
S82	3	"5594665".uref. and display\$3	US-PGPUB; USPAT; EPO; JPO; DERWENT; IBM_TDB	OR	ON	2009/01/01 14:22
S83	11	compressor and turbine with blade and vibrat\$4 and rotat\$4 and frequency and (identif\$3 or determin\$3 or sens \$3 or detect\$3 or indicat\$3) with (operat\$3 or perform \$3) with (condition or state or status) with (known or predetermined or predefined or pre-set \$4 or preset\$4 or reference\$1 or threshold or expected or limit\$3 or desired or upper or lower or maximum or	US-PGPUB; USPAT; EPO; JPO; DERWENT; IBM_TDB	OR	ON	2009/01/01 14:23

		minimum) and (adjust\$5 or correct \$4 or calibrat\$3 or compensat\$3 or modif\$3) with (status or condiction or state) and display \$3				
S84	11	compressor and turbine with blade and vibrat\$4 with (cas\$3 or hous\$3) and rotat\$4 and frequency and (identif\$3 or determin\$3 or sens \$3 or detect\$3 or indicat\$3) with (condition or state or status) with (known or predetermined or predefined or pre-set \$4 or preset\$4 or reference\$1 or threshold or expected or limit\$3 or desired or upper or lower or maximum or minimum) and (adjust\$5 or correct \$4 or calibrat\$3 or compensat\$3 or modif\$3) with (status or condiction or state)	US-PGPUB; USPAT; EPO; JPO; DERWENT; IBM_TDB	OR	ON	2009/01/01 15:38
S85	0	compressor and turbine with blade and vibrat\$4 with (cas\$3 or hous\$3) and rotat\$4 and frequency and (identif\$3 or determin\$3 or sens \$3 or detect\$3 or indicat\$3) with (condition or state or status) with (known or predetermined or predefined or pre-set	US-PGPUB; USPAT; EPO; JPO; DERWENT; IBM_TDB	OR	ON	2009/01/01 15:38

		\$4 or preset\$4 or reference\$1 or threshold or expected or limit\$3 or desired or upper or lower or maximum or minimum) and (adjust\$5 or correct \$4 or calibrat\$3 or compensat\$3 or modif\$3) with (status or condiction or state) with rotat \$4 with stall				
S86	1	compressor and turbine with blade and vibrat\$4 with (cas\$3 or hous\$3) and rotat\$4 and frequency and (identif\$3 or determin\$3 or sens \$3 or detect\$3 or indicat\$3) with (condition or state or status) with (known or predetermined or predefined or pre-set \$4 or preset\$4 or reference\$1 or threshold or expected or limit\$3 or desired or upper or lower or maximum or minimum) and (adjust\$5 or correct \$4 or calibrat\$3 or compensat\$3 or modif\$3) with (status or condiction or state) with rotat \$4	US-PGPUB; USPAT; EPO; JPO; DERWENT; IBM_TDB	OR	ON	2009/01/01 15:38

S87	5	blade and (estimat\$3 or evaluat\$3 or validat\$3 or predict\$4) with (life-time or life adj time or lifetime or health\$1) with blade and (vibrat\$4 or rotat\$4 or resona\$5) with sensor	US-PGPUB; USPAT; EPO; JPO; DERWENT; IBM_TDB	OR	ON	2009/01/01 15:45
S88	2	("5097711").PN.	US-PGPUB; USPAT; EPO; JPO; DERWENT; IBM_TDB	OR	OFF	2009/01/01 15:46
S89	3	compressor and turbine with blade and (estimat\$3 or evaluat\$3 or validat\$3 or predict\$4) with (life-time or life adj time or lifetime or health\$1) and (vibrat\$4 or rotat\$4 or resona\$5) with (housing or casting)	US-PGPUB; USPAT; EPO; JPO; DERWENT; IBM_TDB	OR	ON	2009/01/01 15:47
S90	9	(malfunctional or stall or problem or fault or defect or fail\$3 or anomaly or abnormal) with blade and (estimat\$3 or evaluat\$3 or validat\$3 or predict\$4) with (life-time or life adj time or lifetime) and (vibrat\$4 or rotat\$4 or resona\$5) with sensor	US-PGPUB; USPAT; EPO; JPO; DERWENT; IBM_TDB	OR	ON	2009/01/01 15:48

S91	4	(malfunctional or stall or problem or fault or defect or fail \$3 or anomaly or abnormal) with blade and (estimat \$3 or evaluat\$3 or validat\$3 or predict \$4) with (life-time or life adj time or lifetime) and (vibrat \$4 or rotat\$4 or resona\$5) with sensor and (adjust \$5 or calibrat\$4 or compensat\$4 or correct\$4 or modif \$4) with (status or condiction or state)	US-PGPUB; USPAT; EPO; JPO; DERWENT; IBM_TDB	OR	ON	2009/01/01 15:50
S92	8	(malfunctional or stall or problem or fault or defect or fail \$3 or anomaly or abnormal) with blade and (estimat \$3 or evaluat\$3 or validat\$3 or predict \$4) with (life-time or life adj time or lifetime) and (vibrat \$4 or rotat\$4 or resona\$5) with sensor and (adjust \$5 or calibrat\$4 or compensat\$4 or correct\$4)	US-PGPUB; USPAT; EPO; JPO; DERWENT; IBM_TDB	OR	ON	2009/01/01 15:51
S93	15	compressor and turbine with blade and vibrat\$4 with (cas\$3 or hous\$3) and rotat\$4 and frequency and (adjust\$5 or correct \$4 or calibrat\$3 or compensat\$3 or modif\$3) with compressor	US-PGPUB; USPAT; EPO; JPO; DERWENT; IBM_TDB	OR	ON	2009/01/01 15:55

S94	7	compressor and turbine with blade and vibrat\$4 with (cas\$3 or hous\$3) and rotat\$4 and vibrat\$3 with frequency and (adjust\$5 or correct \$4 or calibrat\$3 or compensat\$3 or modif\$3) with compressor	US-PGPUB; USPAT; EPO; JPO; DERWENT; IBM_TDB	OR	ON	2009/01/01 15:56
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